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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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09/107,705      06/30/98      ASAMI

T      380153-53

LMC1/0621  
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2029 CENTURY PARK EAST  
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LOS ANGELES CA 90067-3024

EXAMINER

PATEL, N

ART UNIT

PAPER NUMBER

2787

DATE MAILED:

06/21/00

**Please find below and/or attached an Office communication concerning this application or proceeding.**

**Commissioner of Patents and Trademarks**

# Office Action Summary

Application No.

09/107,705

Applicant(s)

Asami Etal.

Examiner

Nitin Patel

Group Art Unit

2787



☒ Responsive to communication(s) filed on Jun 30, 1998

☐ This action is **FINAL**.

☐ Since this application is in condition for allowance except for formal matters, **prosecution as to the merits is closed** in accordance with the practice under *Ex parte Quayle*, 35 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire 3 month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

## Disposition of Claim

☒ Claim(s) 1-5 is/are pending in the applicat

Of the above, claim(s) \_\_\_\_\_ is/are withdrawn from consideration

☐ Claim(s) \_\_\_\_\_ is/are allowed.

☒ Claim(s) 1-5 is/are rejected.

☐ Claim(s) \_\_\_\_\_ is/are objected to.

☐ Claims \_\_\_\_\_ are subject to restriction or election requirement.

## Application Papers

☒ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.

☐ The drawing(s) filed on \_\_\_\_\_ is/are objected to by the Examiner.

☐ The proposed drawing correction, filed on \_\_\_\_\_ is ☐ approved ☐ disapproved.

☐ The specification is objected to by the Examiner.

☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. § 119

☒ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☐ All ☐ Some\* ☒ None of the CERTIFIED copies of the priority documents have been  
☒ received.

☐ received in Application No. (Series Code/Serial Number) \_\_\_\_\_

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\*Certified copies not received: \_\_\_\_\_

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

## Attachment(s)

☒ Notice of References Cited, PTO-892

☐ Information Disclosure Statement(s), PTO-1449, Paper No(s). \_\_\_\_\_

☐ Interview Summary, PTO-413

☒ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

— SEE OFFICE ACTION ON THE FOLLOWING PAGES —

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## DETAILED ACTION

### *Drawings*

1. This application has been filed with informal drawings which are acceptable for examination purposes only. Formal drawings will be required when the application is allowed.

### *Claim Rejections - 35 USC § 103*

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-5 are rejected under 35 U.S.C. 103(a) as being unpatentable over admitted prior art provided by applicant in Fig.2.

As per claims 1,2,5 Prior art in fig.2 teaches a control apparatus for a gas analyzer system, the gas analyzer system including a plurality of gas analyzer ( In fig.2 elements 30-32) each having a gas analyzer unit ( In Fig.2 element 21) with a plurality of outputs for analyzing a respective gas, a plurality of AD converters ( In Fig.2 elements 26c-g, 27c-d,28c-f) each having a plurality of inputs respectively connected to the outputs of the gas analyzer unit accordingly to a connection condition, said control apparatus comprising a CPU bus (In Fig.2) connected to said

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internal bus of each of the gas analyzer( In Fig.2 elements 30-32) and an analyzer processing unit ( In Fig.2 element 21) including a CPU ( In Fig.2 element 21a) connected to said CPU bus, said CPU operating in accordance with a program ( In fig.2 element 21b) for controlling each of said gas analyzers. Prior art does not specifically shows a condition table includes a channel information table It would have been obvious to one of ordinary skill in the art, at the time of the invention was made to have program condition table in a programmable memory shown in Fig.2 ROM ( 26b.27b.28b) to have stored channel specific information indicative of channel number; gain for adjusting a signal input to channel in one of AD converters; a spike flag indicative of any gain needed to correct outputs of AD converters and a numerical value indicative of measuring space would have been obvious implementation of such program in a program memory shown in Fig.2 in a gas analyzer because in a program memory such like ROM could store any instruction or a program table is a well known in the art.

As per claim 3, Prior art In Fig.2 teaches a gas analyzer system wherein each of said inputs of each a converters ( In Fig.2) changeover table; said memory unit ( In Fig.2 element 26b,27b,28b) storing information in said AD converter to be read and a channel number assigned to said input to be read in response to said CPU reading signals from each of said gas analyzers per unit time, and providing said information sequentially per unit time.

As per claims 4, Prior art does not specifically shows a condition table includes a channel information table It would have been obvious to one of ordinary skill in the art, at the

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time of the invention was made to have program condition table in a programmable memory shown in Fig.2 ROM ( 26b.27b.28b) to have stored channel specific information indicative of channel number; gain for adjusting a signal input to channel in one of AD converters; a spike flag indicative of any gain needed to correct outputs of AD converters and a numerical value indicative of measuring space would have been obvious implementation of such program in a program memory shown in Fig.2 in a gas analyzer because in a program memory such like ROM could store any instruction or a program table is a well known in the art.

### **Conclusion**

The prior art made of record and not relied upon considered pertinent to application's disclosure.

Any inquiry concerning this communication or earlier communication from the examiner should be directed to Nitin Patel whose phone number is 703-308-7024. The examiner can normally be reached Monday - Friday 8.00 AM to 5.30 P.M. The examiner can also be reached on alternate Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor is Reba Elmore at 703-305-9706.

Please fax any document at Fax number 703-305-9724.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 305-9618.

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*Any response to this action should be mailed to:*

Commissioner of Patent and Trademarks  
Washington, D.C. 20231

**or faxed to :**

(703) 308-9051, (for formal communications intended for entry)

**Or:**

(703) 305-9724, for informal or draft communication, please label ("PROPOSED" or

"DRAFT")

*Hand-delivered response should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, V.A., Sixth Floor (receptionist).*

Nitin Patel  
Patent examiner  
Art Unit 2787  
June 15, 2000



REBA I. ELMORE  
SUPERVISORY PATENT EXAMINER  
GROUP 2700